Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Amazing Climate Change Race**

***Introduction:***We need to understand some basic concepts before we can tackle the major issues around global climate change. In this activity you will be racing around the “world” trying to gather background information related to climate change and gather passport stamps.

***Instructions:***You will race (slowly and safely) around the library searching for envelopes with the flag of a country on it. Each envelope contains questions and activities that you must answer in the corresponding area on this passport. Once you feel you have correctly answered the questions or completed the activity you must get your passport stamped at the passport office. Continue until you have completed all of the sections of the passport. If someone hands you a roadblock card, you must go complete the roadblock activity at the passport office before continuing.

**YOUR PASSPORT**

Afghanistan

Atmosphere: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Weather: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Climate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Over 5cm of snow fell on the city overnight. |  |
| It hasn’t rained in over 3 weeks! |  |
| The average rainfall for July in the region is typically around 3cm. |  |
| This winter was colder than the expected average. |  |
| It was the prefect temperature for Rachael’s party, and she was planning on crying. |  |
| The temperature went above 490C in the area for the first time ever. |  |



Botswana

Answer to #1 in a FULL SENTENCE:

Answer to #2 in a FULL SENTENCE:



Canada

Effect 1 –

Effect 2 –

Effect 3 –



Montenegro

**DON’T FORGET TO RECORD YOUR USER NAME AND PASSWORD SOMEWHERE!**

 Jamaica

Key terms:

**Ecosystem:** A community of living organisms living and interacting with their non-living environment.

**Food Chain:** A description of what each living organism in an ecosystem eats.

**Aquatic:** Ecosystems and organisms in water, such as oceans, lakes, and ponds.

Glue your sorted changes and descriptions below:

 Uzbekistan

1) What rank was 2013 as far as warmest years go? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) How many of the 14 warmest years on record have been in the 21st Century? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) What made the super high temperatures in Australia possible?

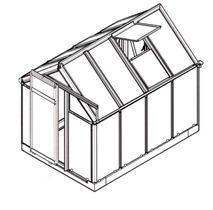
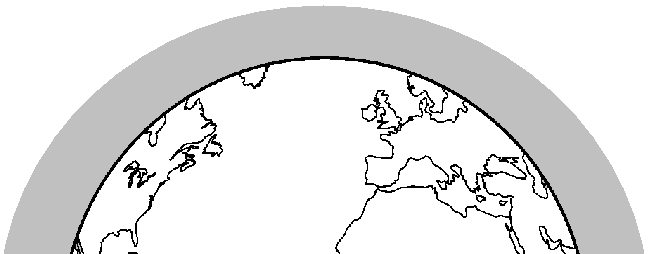
4) What was the total cost of weather related disasters last year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Often politicians claim efforts to control climate change are too expensive to put in place. What are your thoughts on that claim?



Iceland

Greenhouse effect: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



A regular greenhouse The Earth with excess carbon dioxide in the atmosphere



Senegal

Key Terms:

**Ecosystem:** A community of living organisms living and interacting with their non-living environment.

**Terrestrial:** Ecosystems on land, such as cities, forests, grasslands.

Glue your sorted changes and descriptions below: